

Product Specification Sheet

Product Name	Lentivirus Precipitation Solution
Description	The Lentivirus Precipitation Solution is a mixture of polymer optimized for the precipitation of lentiviral particles. It provides a simple, fast and highly efficient method for concentrating lentiviral particles. In the simple protocol, you just mix your lentiviral supernatant with the Lentivirus Precipitation Solution, incubate for a short period, and spin the mixture in a standard centrifuge. You'll increase your lentivirus titer by up to 100 fold as quick as in 4 hours, and obtain excellent recoveries without ultracentrifugation. The Lentivirus Precipitation Solution is a 5x solution.
Catalog Number	VC100
Size	100 ml
Shipping	Room temperature
Storage and Stability	Store at 4 °C. This product is stable for 6 months when stored as directed.
Quality Control	Each lot of Lentivirus Precipitation Solution is tested for sterility and successfully precipitates lentiviral particles.
Restricted Use	For Research Use Only. Not for use in diagnostic or therapeutic procedures.

Protocol

Lentivirus Precipitation Solution

OVERVIEW

The Lentivirus Precipitation Solution is a mixture of polymer optimized for the precipitation of lentiviral particles. It provides a simple, fast and highly efficient method for concentrating lentiviral particles. In the simple protocol, you just mix your lentiviral supernatant with the Lentivirus Precipitation Solution, incubate for a short period, and spin the mixture in a standard centrifuge. You'll increase your lentivirus titer by up to 100 fold as quick as in 4 hours, and obtain excellent recoveries without ultracentrifugation. **The Lentivirus Precipitation Solution is a 5x solution.**

PROCEDURE

1. Transfer the media containing lentiviral particles from plates to a sterile vessel and centrifuge the medium at 300 x g for 10 min to remove cell debris.
2. Filter the supernatant through 0.45 µm filter.
3. Transfer filtered supernatant to a sterile vessel and add 1 volume of cold Lentivirus Precipitation Solution (4°C) to every 4 volumes of lentivirus-containing supernatant. (Example: 5ml Lentivirus Precipitation Solution with 20ml viral supernatant).
4. Mix well and refrigerate 4 hours to overnight. Lentivirus-containing supernatant mixed with Lentivirus Precipitation Solution are stable for up to 4 days at 4°C.
5. Centrifuge mixture at 1500 × g for 30 minutes at 4°C. After centrifugation, the lentiviral particles may appear as a beige or white pellet at the bottom of the vessel.
6. Discard supernatant. Spin down residual solution by centrifugation at 1500 × g for 5 minutes. Remove all traces of fluid by aspiration, taking great care not to disturb the precipitated lentiviral particles in pellet.
7. Resuspend lentiviral pellets in 1/10 to 1/100 of original volume using cold, sterile PBS or DMEM at 4°C.
8. Aliquot in cryogenic vials and store at -80°C until ready for use.